**Darby:** This year we did not build our bike from scratch it was built 4 years ago by a well known member of the Maiden Gully Community.

**Lucas:** Now Darby and I will be talking about how the bike was built and what running gear we have on our bike and what safety measures we have on our trikes.

1. **Darby:** First of all Mr. Mackenzie cut the chrome molly tubes to length and to the angles needed, then he set them into the jig and welded the frame to completion. Then once he finished the frame he built the seat and put the trampoline material onto the seat and put in the adjustable seat post. Once he had finished the seat he started on the steering system he choose was Ackerman system as it still has a great straight line speed and fantastic in the corners.
2. **Lucas:** Once he had finished the steering it is time to put the running gear on the bike first of all he put the wheels on the trike he used all sixteen inch wheels and they have 80psi in each of them then once he placed the wheels on he put the disc brakes on we choose to use disc brakes because they are very easy to stop with but if we crash the can buckle a lot more than disc brakes. Once you have put your brakes on it is time to put your cranks, chain and front sprocket on we used a 67 tooth sprocket and at the rear we have the smallest cog of 11 teeth and the largest sprocket of 19 teeth we chose this ratio because it runs great with our trike. Now it was time test the trike.
3. **Darby:** Now it was time to start making the canopy we chose to use Kevlar and carbon fibre for their strength and flexibility using a Kevlar shape requires a computer generated image to create the plug then he built the mould around the plug then laid the Kevlar in the mould then once the Kevlar dried we painted the canopy. Now he mounted the canopy to the frame and inserted the Perspex into the canopy. And add the lights we have to sets of lights one led light which is great because it has a really bright light and it does not use a lot of power and we also have a halogen light which is a very bright light but it uses a lot of power. Now it was time to attach the horn our horn is 129 decibels which is pretty loud horn.
4. **Lucas:** Our trike actually has some accessories we have a fan for fogging reasons and we also have a water sprayer.

**Darby:** Now thanks for listening to us and you better look out for Ziptar tomorrow and you might even see us on the podium .

**Lucas:** That’s all from us thanks